

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
12 May 2005 (12.05.2005)

PCT

(10) International Publication Number  
**WO 2005/043164 A2**

(51) International Patent Classification<sup>7</sup>: **G01N 33/574**,  
C12Q 1/68

**SCHOCH, Claudia** [DE/DE]; Springerstrasse 8, 81477  
Muenchen (DE).

(21) International Application Number:  
PCT/EP2004/012474

(74) Common Representative: **ROCHE DIAGNOSTICS**  
GMBH; c/o Burger, Alexander, Patent Department  
(TR-E), Postfach 11 52, 82372 Penzberg (DE).

(22) International Filing Date:  
4 November 2004 (04.11.2004)

(81) Designated States (*unless otherwise indicated, for every  
kind of national protection available*): AE, AG, AL, AM,  
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,  
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,  
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,  
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,  
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,  
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,  
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,  
ZW.

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
03025335.5 4 November 2003 (04.11.2003) EP

(71) Applicant (*for DE only*): **ROCHE DIAGNOSTICS**  
GMBH [DE/DE]; Sandhofer Strasse 116, 68305  
Mannheim (DE).

(71) Applicant (*for all designated States except DE*): **F. HOFF-**  
**MANN-LA ROCHE AG** [DE/DE]; Grenzacherstrasse  
124, CH-4070 Basel (DE).

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): **HAFER-**  
**LACH, Torsten** [DE/DE]; Springerstrasse 8, 81477  
Muenchen (DE). **DUGAS, Martin** [DE/DE]; Michael-Fis-  
cher-Platz 6, 94469 Deggendorf (DE). **KERN, Wolfgang**  
[DE/DE]; Hanfelder Strasse 101, 82319 Starnberg (DE).  
**KOHLMANN, Alexander** [DE/DE]; Schwarzstrasse  
14, 92318 Neumarkt (DE). **SCHNITTGER, Susanne**  
[DE/DE]; Saalburgstrasse 2a, 81375 Muenchen (DE).

(84) Designated States (*unless otherwise indicated, for every  
kind of regional protection available*): ARIPO (BW, GH,  
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,  
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),  
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,  
FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE,  
SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,  
GW, ML, MR, NE, SN, TD, TG).

Published:

— *without international search report and to be republished  
upon receipt of that report*

*For two-letter codes and other abbreviations, refer to the "Guid-  
ance Notes on Codes and Abbreviations" appearing at the begin-  
ning of each regular issue of the PCT Gazette.*

(54) Title: METHOD FOR DISTINGUISHING CBF-POSITIVE AML SUBTYPES FROM CBF-NEGATIVE AML SUBTYPES

(57) Abstract: Disclosed is a method for distinguishing CBF-positive AML subtypes from CBF-negative AML subtypes in a sample by determining the expression level of markers, as well as a diagnostic kit and an apparatus containing the markers.

WO 2005/043164 A2